

Fact Sheet
Hazardous Waste Treatment Emergency Permit Application
Daicel Safety Systems America, LLC.
720 Old Liberty Church Road
Beaver Dam, Ohio County, Kentucky 42320
EPA I.D. KYR-000-034-207, AI 6238

The Kentucky Energy and Environment Cabinet's (Cabinet) Division of Waste Management (Division), has decided to grant the issuance of a hazardous waste treatment emergency permit for Daicel Safety Systems America, LLC (Permittee). Daicel Safety Systems America, LLC.(DSSA) is located on 720 Old Liberty Church Rd., Beaver Dam, KY. 42320.

Purpose of the Permitting Process

In the event the Division finds an imminent and substantial endangerment to human health or the environment, the Division may issue a temporary emergency permit. The Division is required to prepare an emergency permit which sets forth, in one concise document, all applicable requirements with which the Permittee will be required to comply with during the three (3) month duration of the permit. Public health, safety and environmental aspects of the proposal have been considered in the review of the permit application.

How to Make a Comment on the Decision to Grant the Permit

The issuance of a hazardous waste permit is to be coordinated by the Cabinet. Title 401 Kentucky Administrative Regulations Chapter 38 requires that the public be given a forty-five (45) day comment period for each permit prepared under Kentucky Revised Statutes. The comment period begins on February 18, 2009, coincident with the date of the publication of the Public Notice in a major local newspaper of general circulation. The Public Notice will appear in the "Ohio County Times-News". **The public comment period will end on April 2nd, 2009 at midnight.** Any person interested in submitting comments must do so within the forty-five (45) day comment period discussed above. Anyone wishing to submit a comment, needing additional information, or wanting to be put on the facility mailing list should contact:

Ms. April J. Webb, Manager
Hazardous Waste Branch
Division of Waste Management
200 Fair Oaks Lane,
Frankfort, Kentucky 40601
(502) 564-6716, ext 4699
Email: Kelly.Neal@ky.gov

Electronic comments, request for additional information or requests to be added to the facility mailing list may be submitted to: Kelly.Neal@ky.gov

The administrative record, which includes the permit and related information can be reviewed at two locations:

Ohio County Public Library
413 Main Street
Hartford, Kentucky.
Point of contact:
Melissa Acquaviva
(270) 298-3790

Division of Waste Management
200 Fair Oaks Lane
Frankfort, Kentucky 40601
Point of Contact:
Tina Fisher
(502) 564-6716 ext 4686
Email: Tina.Fisher@ky.gov

To make an appointment, submit a written request to Ms. Tina Fisher at least 72 hours prior to the desired review date. Copying charges are .10 cents per page and \$3 for each map. Upon request, this information can be made available in alternative formats.

The Cabinet will consider all comments received during the comment period and release a Response to Comments document. All significant comments and Cabinet response to comments on the permit will be included in the Response to Comments document. Any person, who may be aggrieved by the issuance of the hazardous waste permit for this facility, may file with the Cabinet a petition, which sets forth the grounds of the objection and demands for a formal administrative hearing pursuant to KRS 224.10-420(2). The administrative hearing is held before a hearing officer and all parties are advised to have legal counsel present.

Facility and Processing Description

In November of 2008, DSSA was issued a Notice of Violation for a compliance issue. Hazardous gas generant wastes have been accumulating on-site since May, 2008. A hazardous waste generator may accumulate hazardous waste on-site for ninety (90) days or less without a permit if the waste is placed on drip pads and the generator complies with 401 KAR 35:285 and maintains the appropriate records at the facility. DSSA has a permit limit of 25 tons per year for treatment in a subpart X miscellaneous unit, which is a metal cage described below. Treatment of hazardous waste ceased when DSSA's permit limit was reached. The facility has been accumulating hazardous waste since that time. Following the compliance issue and as mentioned in the Notice of Violation, the Division required DSSA to submit an Emergency Permit application.

This emergency permit (401 KAR 38:060 Section 2) allows the facility to treat 26,500 pounds of hazardous gas generant wastes generated and accumulated on-site. DSSA is required to comply with all the conditions of the emergency permit which consists of applicable requirements from 401 KAR Chapter 34 as well as Chapter 38, its RCRA Part B permit, its Emergency Permit request and its application. In general, the requirements help ensure the treatment has a minimum impact on human health and environment, the personnel involved have proper training, and there is sufficient reporting requirements to the Cabinet.

DSSA currently assembles automotive crash airbag inflators. Airbag inflators consist of gas generator pellets enclosed in housing. An airbag initiator is activated by a signal from the vehicle's crash detection system. This signal electrically triggers a chemical chain reaction that sets off gas generator pellets. These pellets release large quantities of gas (primarily nitrogen and carbon dioxide) at a rapid rate, to quickly inflate the airbag.

These gas generator pellets are classified as hazardous waste because they exhibit a reactive characteristic. They carry a D003 waste code according to 401 KAR 31:030, Section 4. They are capable of detonating and producing an explosive reaction.

The treatment method is open burning in a metal cage on a concrete pad. The treatment unit is called a Pellet Burn Cage. This unit consists of a 6-foot by 6-foot steel pan surrounded on all four sides by a 7-foot tall wire mesh cage. The Pellet Burn Cage contains the pellets during the burn. The burn cage is placed on a 27' x 27' concrete pad with a sump and 6" perimeter berms. A maximum quantity of 100 pounds of pellets is placed on the bottom of the steel pan at any one time. During an open burn, the chemical chain reaction is triggered by a spark ignition. Following the burn, chemically-inert, non-hazardous residue remains. It is mostly clay. It will be disposed of as a solid waste.

The Division of Waste Management does not discriminate on the basis of race, age, religion, sexual orientation or gender identity, ancestry, age, disability, or veteran status. The division provides, on request, reasonable accommodations necessary to afford an individual with a disability an equal opportunity to participate in all services, programs and activities. To request materials in an alternate format, contact Kelly Neal at (502) 564-6716, ext. 4684